

# Comparisons of Job Characteristics

**Focus Occupation:** [Emergency Management Specialists \(13-1061\)](#)

**Associated Occupation:** [Industrial Engineers \(17-2112\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 11

**Focus Occupation:** Emergency Management Specialists (13-1061)

**Associated Occupation:** Industrial Engineers (17-2112)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Engineering and Technology	5.7	18.0	8.6	<<	Extensive education and/or training may be required
Production and Processing	6.0	17.4	6.9	<<	Extensive education and/or training may be required
Mathematics	9.2	15.6	8.8	<<	Extensive education and/or training may be required
Mechanical	6.8	15.6	7.0	<<	Extensive education and/or training may be required
Design	5.2	14.8	7.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation:** Emergency Management Specialists (13-1061)

**Associated Occupation:** Industrial Engineers (17-2112)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Reading Comprehension	10.7	14.8	14.1	0	Current skill level may be sufficient
Complex Problem Solving	9.1	12.8	16.3	>>	Skill level is likely more than sufficient
Writing	9.2	12.8	13.8	0	Current skill level may be sufficient
Monitoring	9.9	12.2	13.6	>	Skill level is likely sufficient
Mathematics	6.2	10.3	8.3	<	A higher skill level may be required
Systems Analysis	6.5	9.9	12.6	>	Skill level is likely sufficient
Systems Evaluation	6.4	9.5	11.5	>	Skill level is likely sufficient

Management of Material Resources	3.7	7.2	8.1	>	Skill level is likely sufficient
Management of Financial Resources	3.3	6.0	7.1	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Emergency Management Specialists (13-1061) Associated Occupation: Industrial Engineers (17-2112)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Comprehension	11.0	14.6	14.5	0	Current ability level may be sufficient
Written Expression	9.8	14.1	14.2	0	Current ability level may be sufficient
Problem Sensitivity	11.1	13.6	14.5	0	Current ability level may be sufficient
Inductive Reasoning	10.2	12.8	13.5	0	Current ability level may be sufficient
Information Ordering	9.9	11.8	12.8	0	Current ability level may be sufficient
Selective Attention	8.7	10.7	8.8	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	10.5	7.4	<<	Extensive improvement in abilities may be required
Visualization	7.5	10.3	9.7	0	Current ability level may be sufficient
Time Sharing	6.6	8.5	8.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 45
Focus Occupation: Emergency Management Specialists (13-1061) Associated Occupation: Industrial Engineers (17-2112)		
Work Activities		Exclusivity of Activity
Develop policies, procedures, methods, or standards		21
Use hazardous materials information		35

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 39	
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**Focus Occupation: Emergency Management Specialists (13-1061)**  
**Associated Occupation: Industrial Engineers (17-2112)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Indicating and recording instruments	2
Industry specific software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.